

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010383.D
 Acq On : 11 May 2019 16:09
 Operator : SY/VA
 Sample : K2719-11
 Misc : 6.99G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	562140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1107923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	663261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	777439	130.09	ug/l	0.00
Spiked Amount			Recovery	=	260.18%	
35) Dibromofluoromethane	7.88	113	598364	92.29	ug/l	0.00
Spiked Amount			Recovery	=	184.58%	
50) Toluene-d8	10.32	98	953811	36.13	ug/l	0.00
Spiked Amount			Recovery	=	72.26%	
62) 4-Bromofluorobenzene	12.62	95	222037	23.89	ug/l	0.00
Spiked Amount			Recovery	=	47.78%	

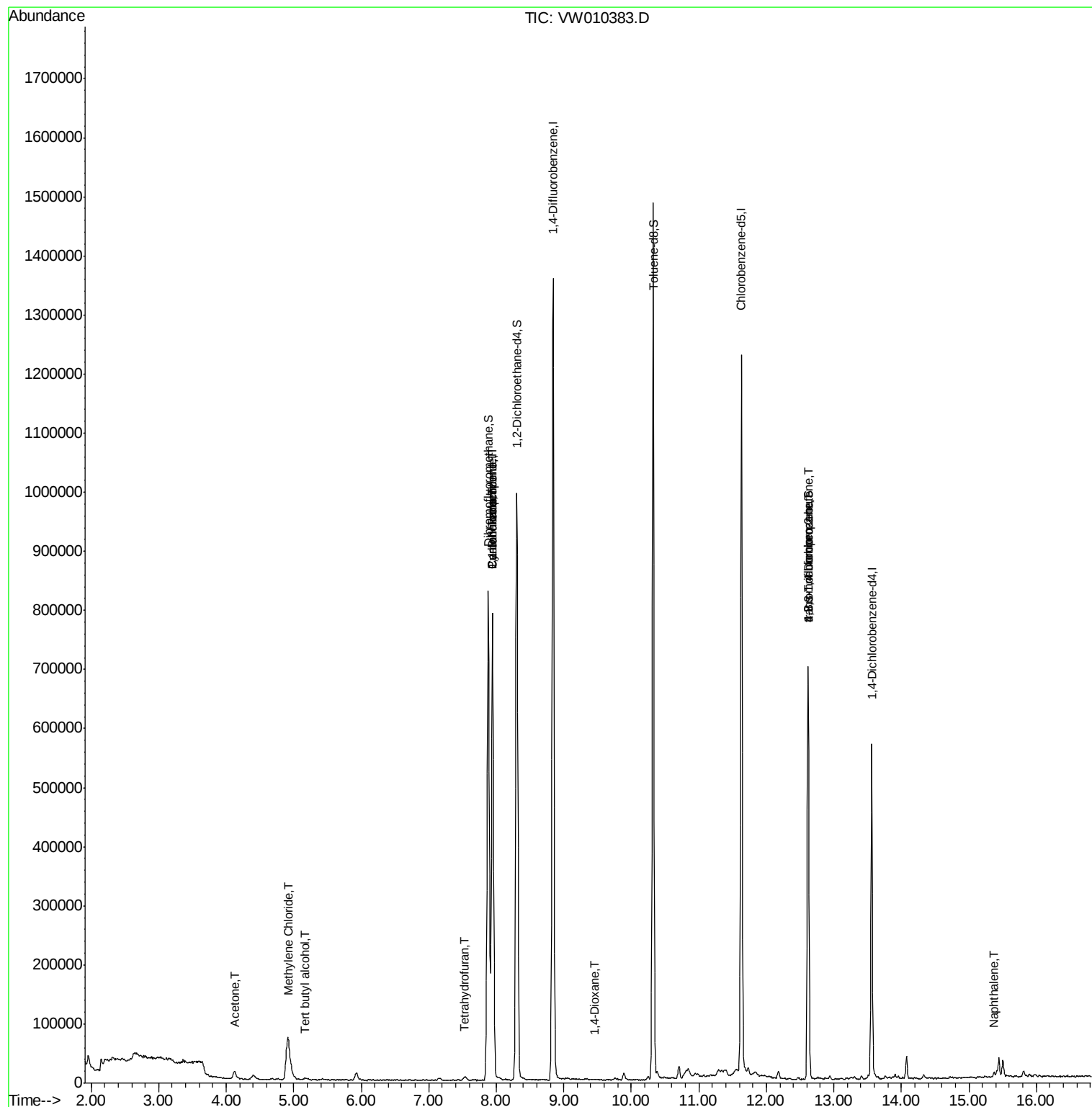
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	4831	11.446	ug/l #	83
16) Acetone	4.12	43	25107	16.115	ug/l	99
20) Methylene Chloride	4.93	84	72335	11.131	ug/l	85
29) Tetrahydrofuran	7.53	42	5012	3.251	ug/l #	89
31) Cyclohexane	7.94	56	14147	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	48492	4.037	ug/l #	50
38) Carbon Tetrachloride	7.94	117	57643	5.598	ug/l #	17
49) 1,4-Dioxane	9.46	88	125	1.697	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	116861	71.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	116861	160.892	ug/l #	6
95) Naphthalene	15.38	128	5793	4.437	ug/l #	86

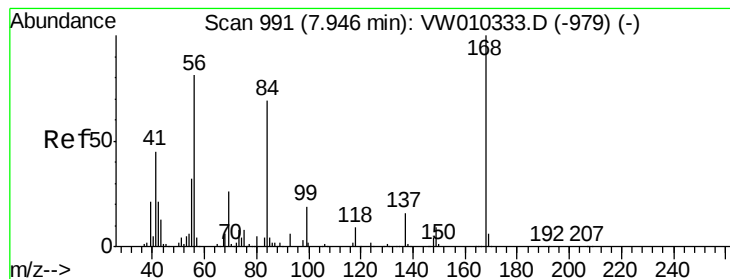
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051119\
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Acq On : 11 May 2019 16:09
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ClientSampleId :

Quant Time: May 12 00:27:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :

MSVOA_W

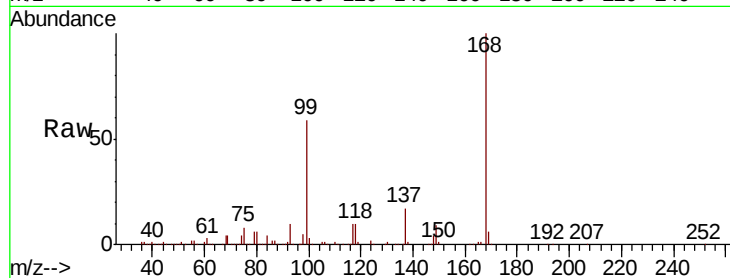
ClientSampleId :

Tot Ion:168 Resp: 562140

Ion Ratio Lower Upper

168 100

99 59.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

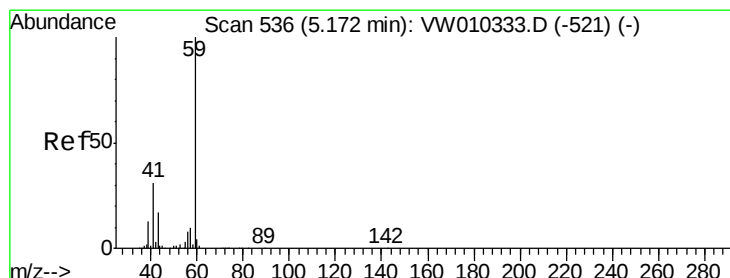
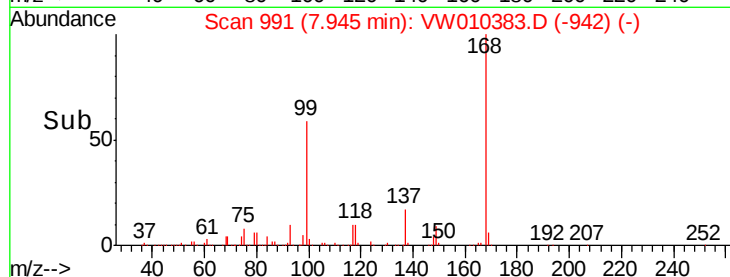
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.446 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW010383.D

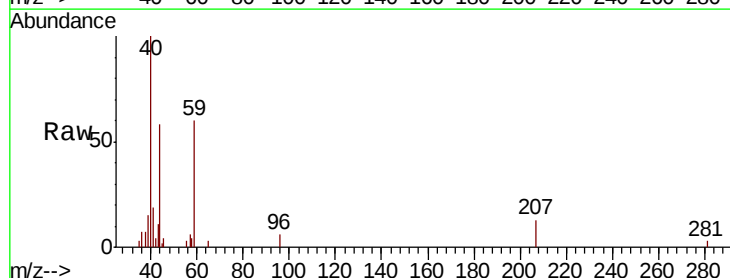
Acq: 11 May 2019 16:09

Tgt Ion: 59 Resp: 4831

Ion Ratio Lower Upper

59 100

57 4.7 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

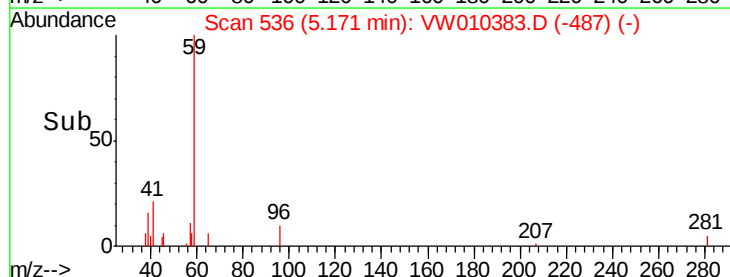
1500

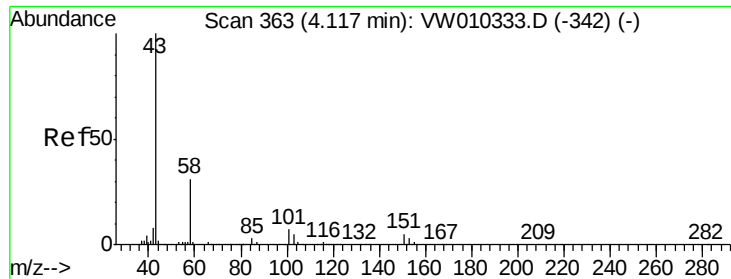
1000

500

0

Time-->





#16

Acetone

Concen: 16.115 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :

MSVOA_W

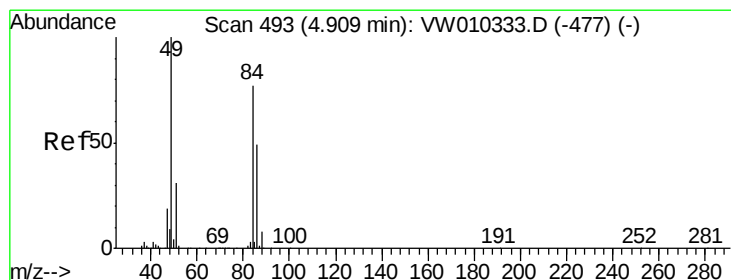
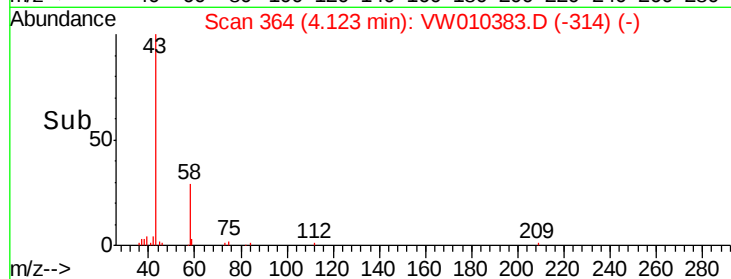
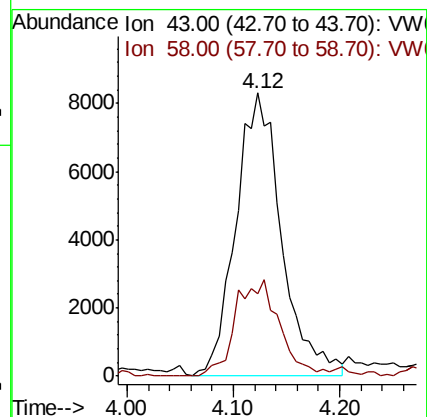
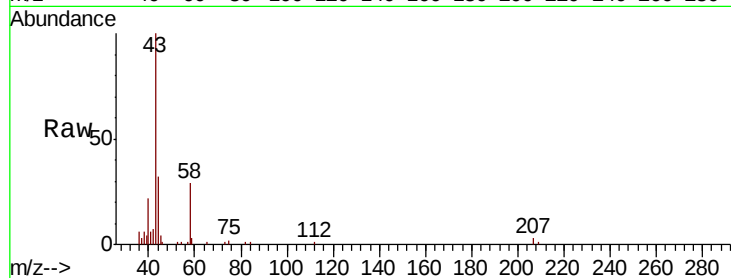
ClientSampleId :

Tot Ion: 43 Resp: 25107

Ion Ratio Lower Upper

43 100

58 29.2 22.7 34.1



#20

Methylene Chloride

Concen: 11.131 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.02 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Tgt Ion: 84 Resp: 72335

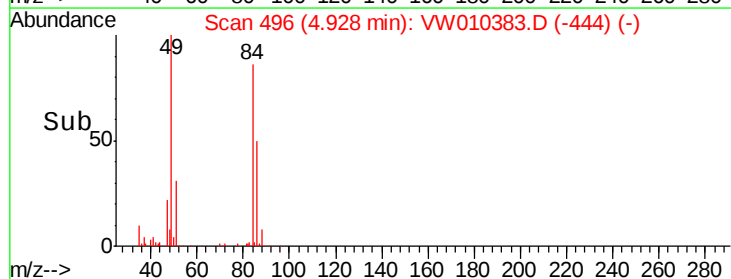
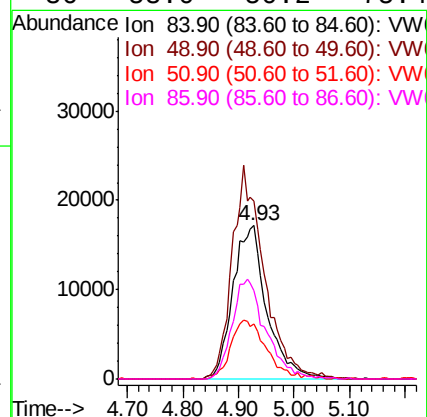
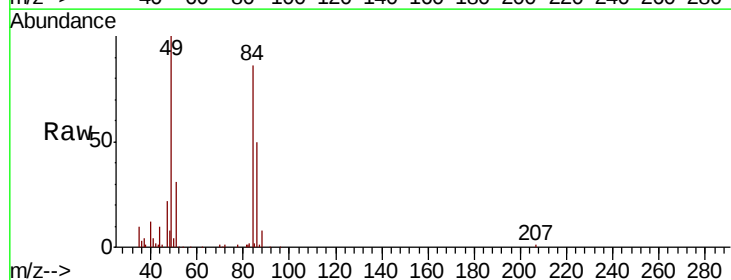
Ion Ratio Lower Upper

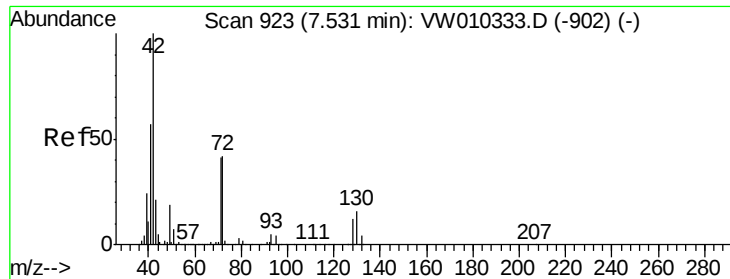
84 100

49 116.1 112.3 168.5

51 36.1 33.9 50.9

86 58.0 50.2 75.4

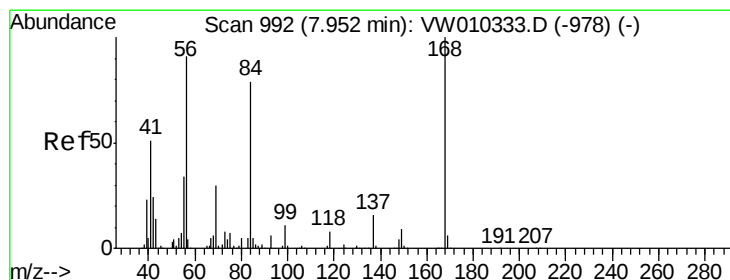
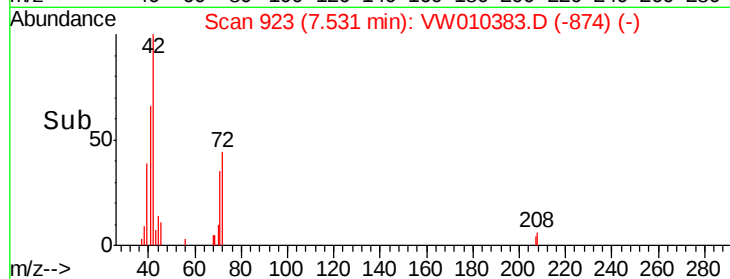
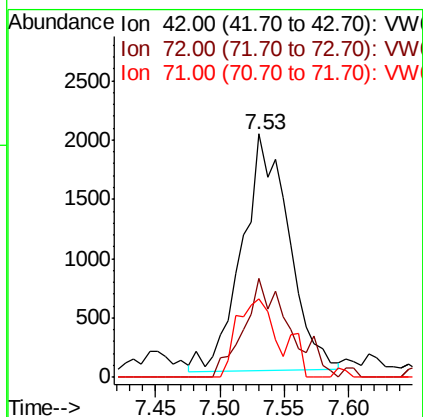
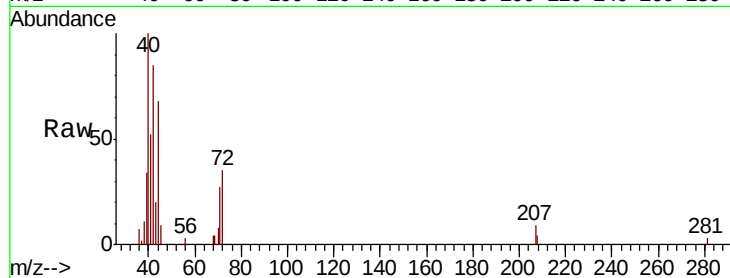




#29
Tetrahydrofuran
Concen: 3.251 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010383.D
Acq: 11 May 2019 16:09

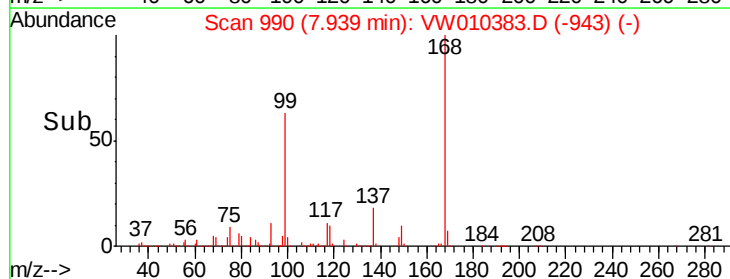
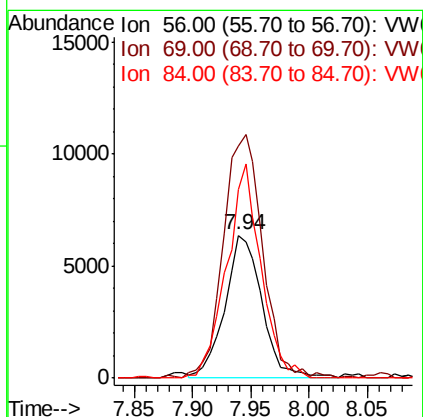
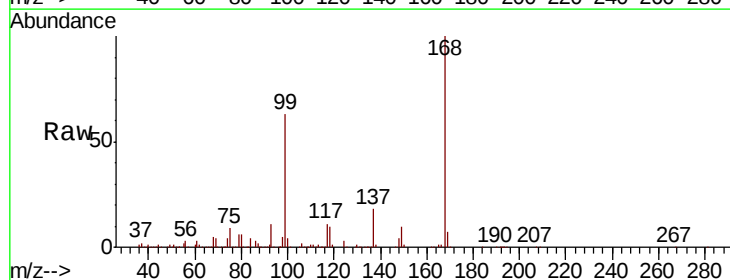
Instrument :
MSVOA_W
ClientSampled :

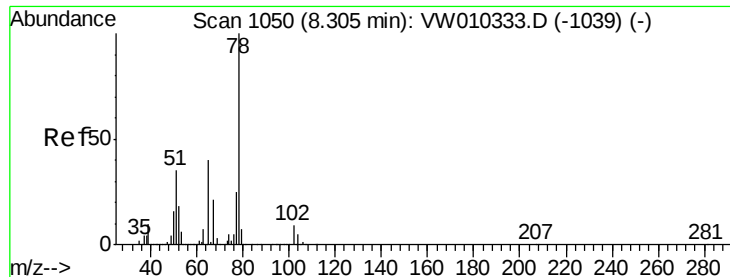
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.0	46.6
71	25.5	29.7	44.5#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010383.D
Acq: 11 May 2019 16:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	162.0	26.6	40.0#
84	131.6	66.2	99.2#

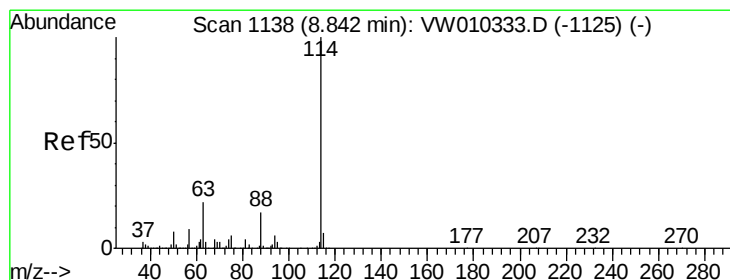
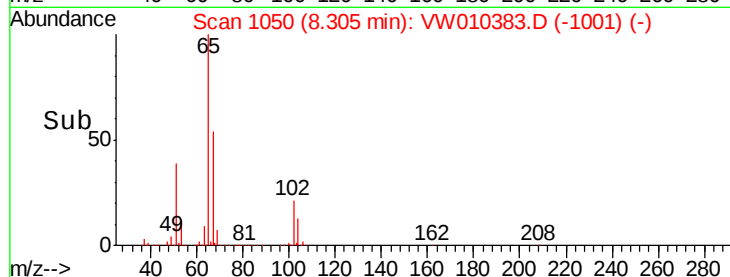
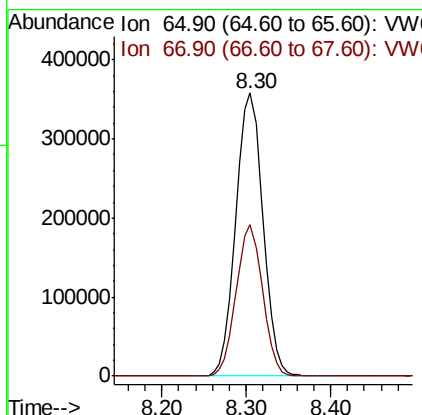
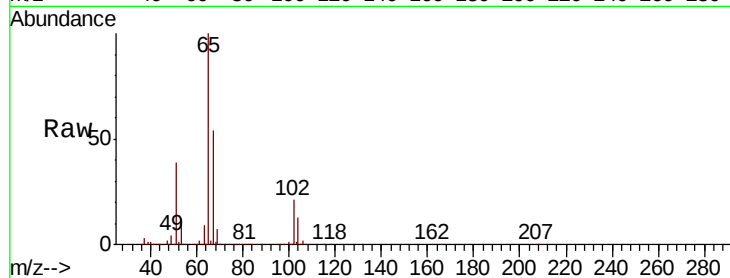




#33
 1,2-Dichloroethane-d4
 Concen: 130.087 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010383.D
 Acq: 11 May 2019 16:09

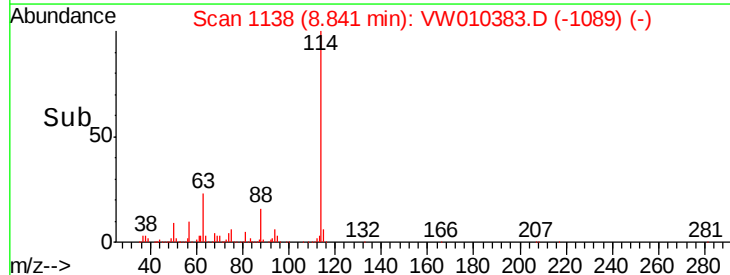
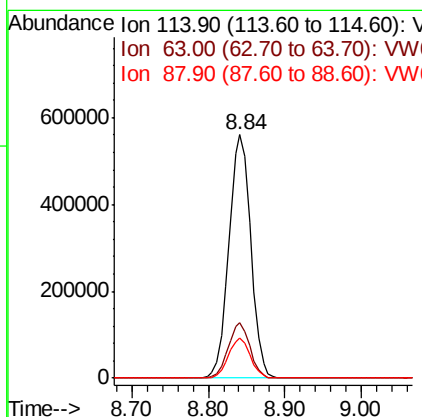
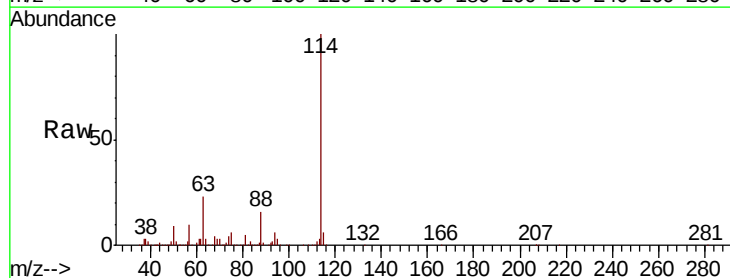
Instrument :
 MSVOA_W
 ClientSampleId :

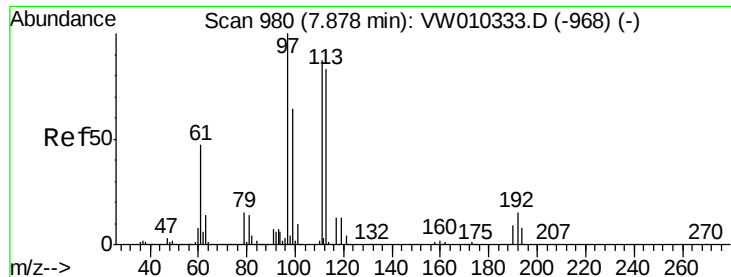
Tot Ion: 65 Resp: 777439
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010383.D
 Acq: 11 May 2019 16:09

Tgt Ion: 114 Resp: 1107923
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.2
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 92.291 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :
MSVOA_W
ClientSampleId :

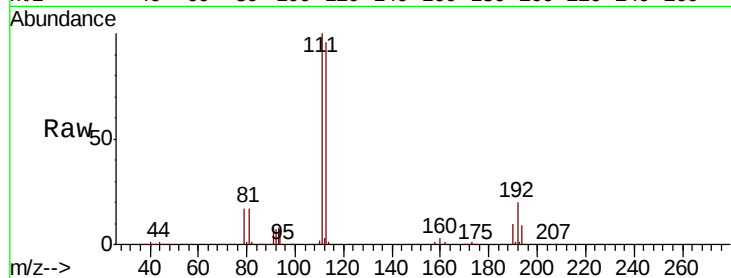
Tot Ion:113 Resp: 598364

Ion Ratio Lower Upper

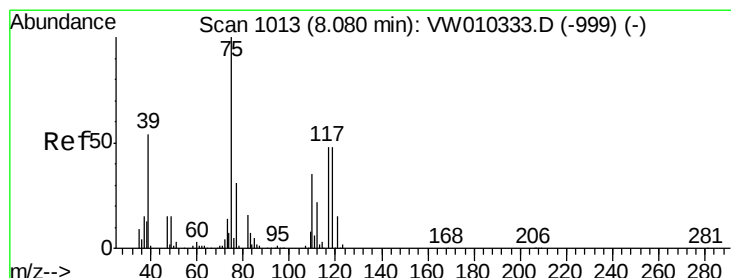
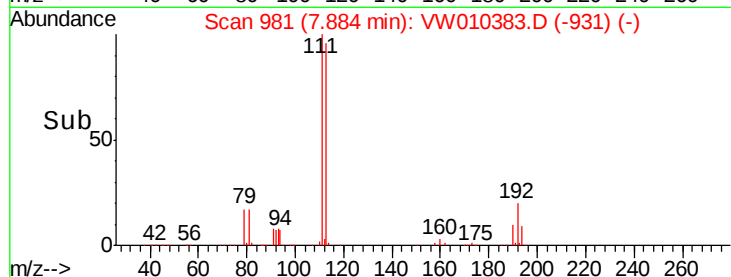
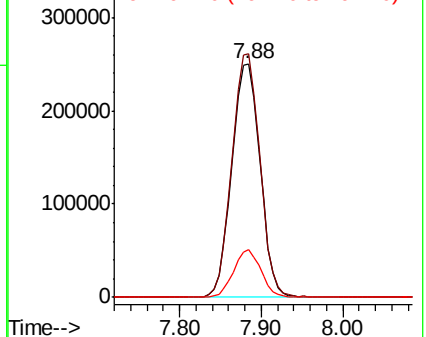
113 100

111 103.1 82.6 123.8

192 19.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.037 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

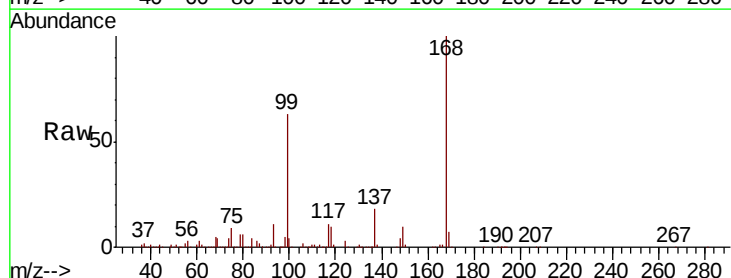
Tgt Ion: 75 Resp: 48492

Ion Ratio Lower Upper

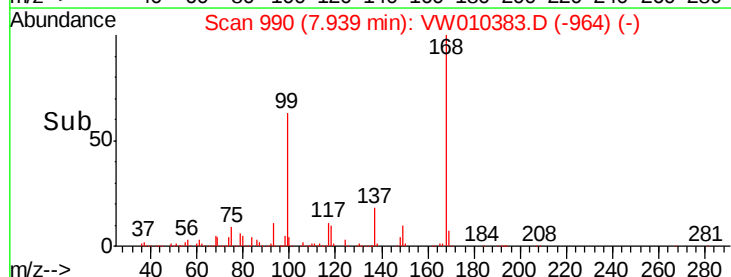
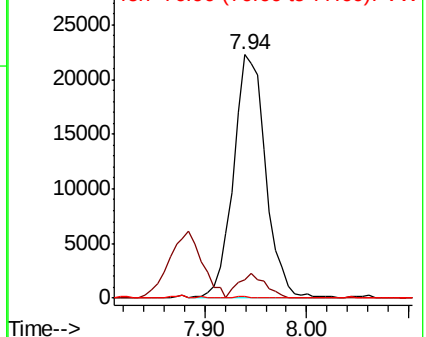
75 100

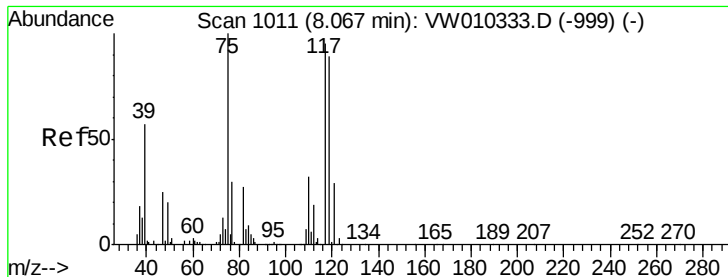
110 8.6 16.6 49.8#

77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.598 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :

MSVOA_W

ClientSampleId :

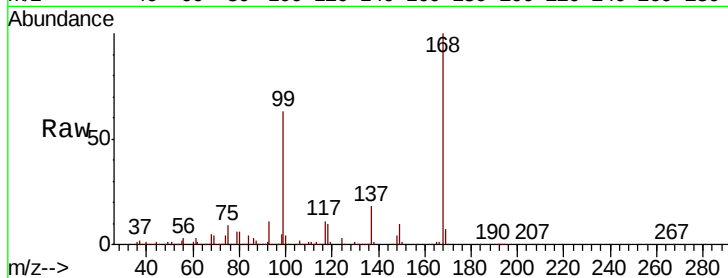
Tot Ion:117 Resp: 57643

Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

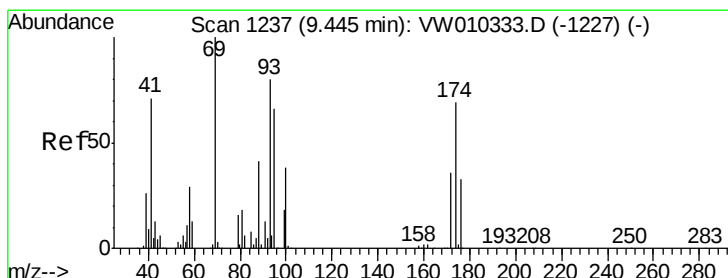
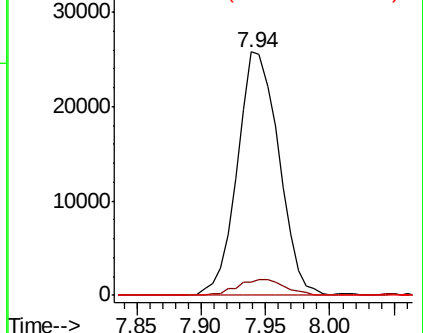
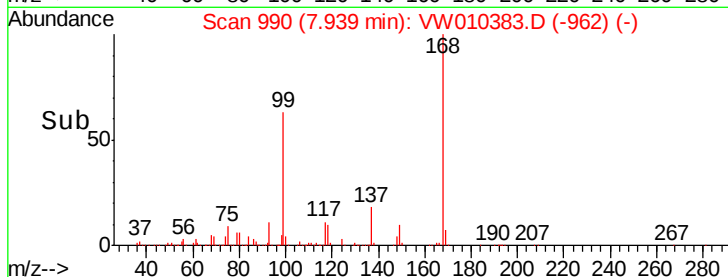
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.697 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

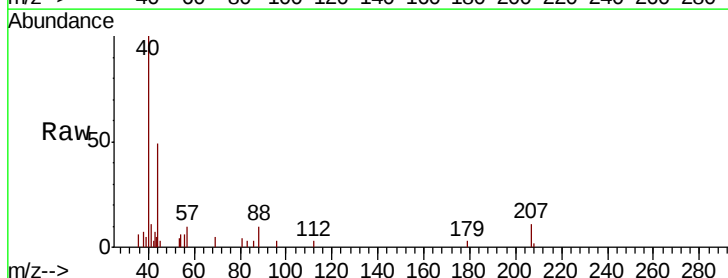
Tgt Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 355.2 31.9 47.9#

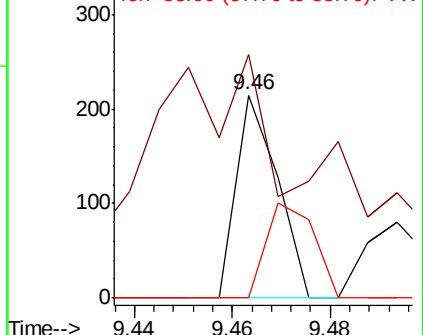
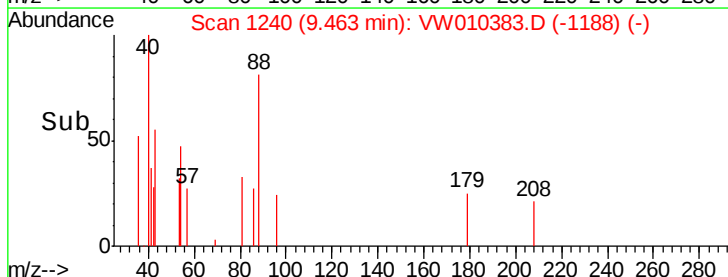
58 53.6 61.8 92.6#

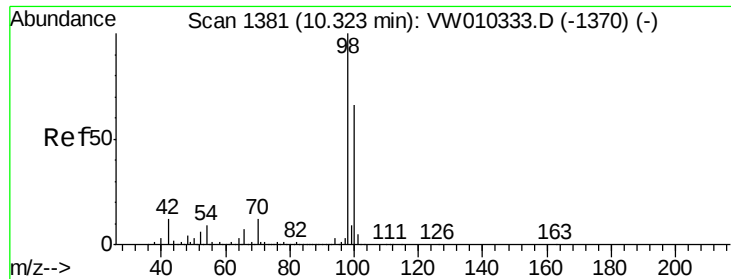


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 36.128 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :

MSVOA_W

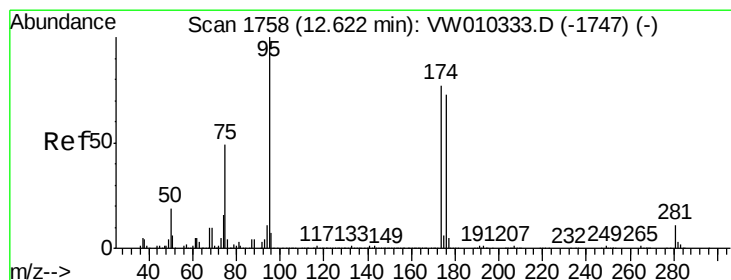
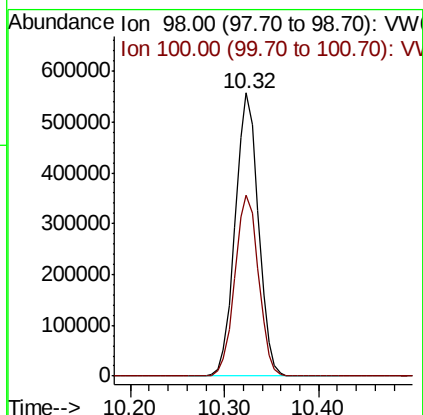
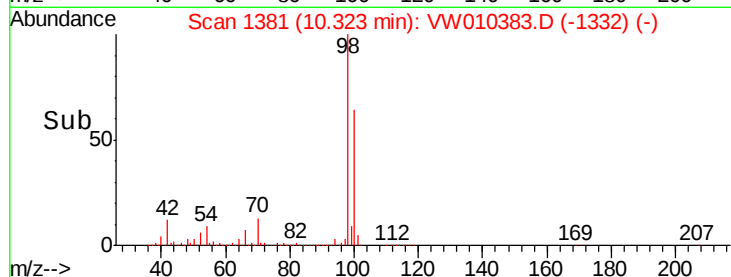
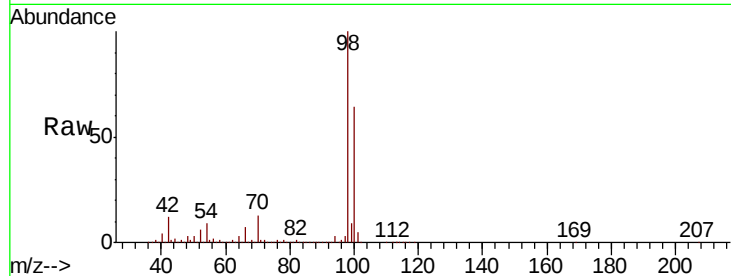
ClientSampleId :

Tot Ion: 98 Resp: 953811

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 23.892 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

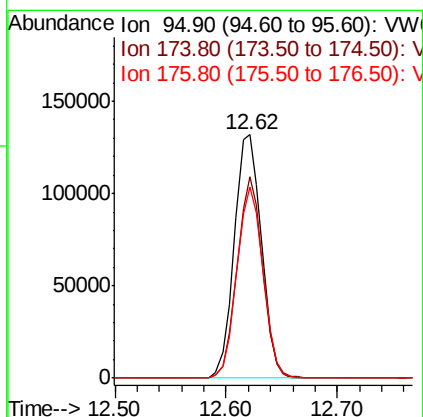
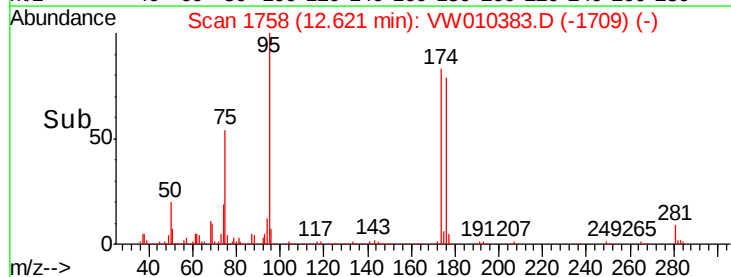
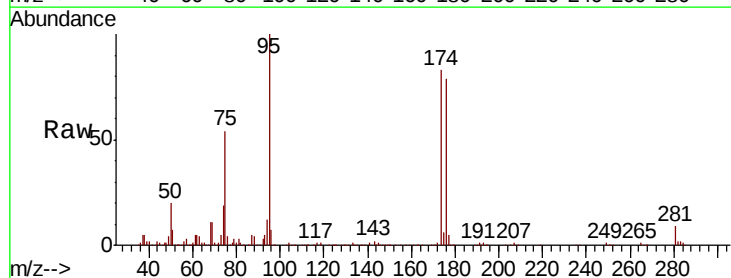
Tgt Ion: 95 Resp: 222037

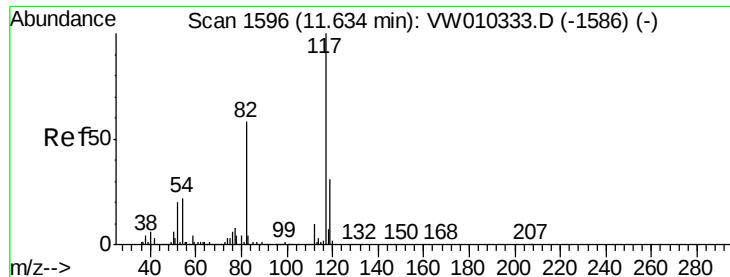
Ion Ratio Lower Upper

95 100

174 78.0 0.0 151.4

176 75.9 0.0 146.2

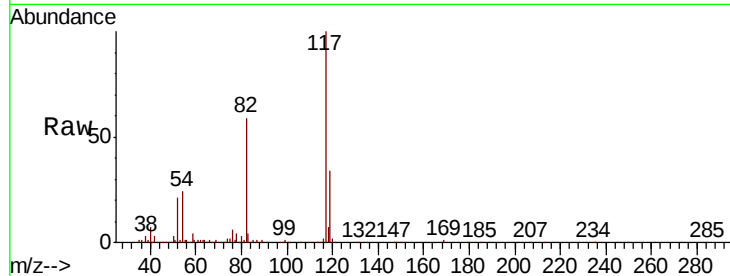




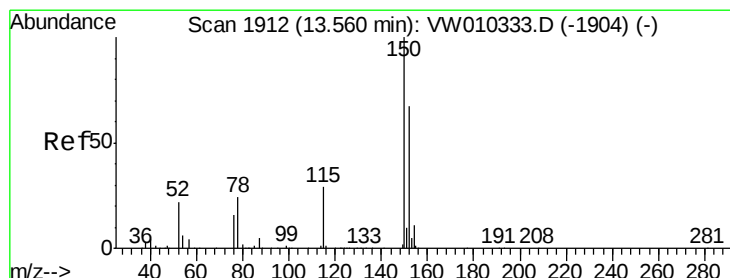
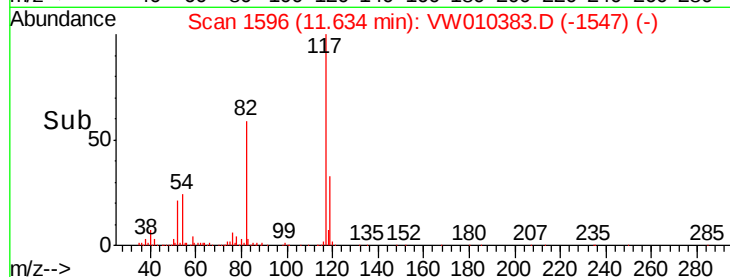
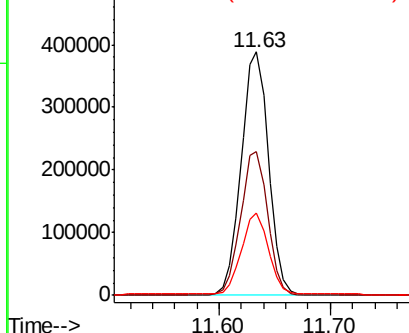
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010383.D
Acq: 11 May 2019 16:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 663261
Ion Ratio Lower Upper
117 100
82 59.2 45.2 67.8
119 33.1 25.4 38.2

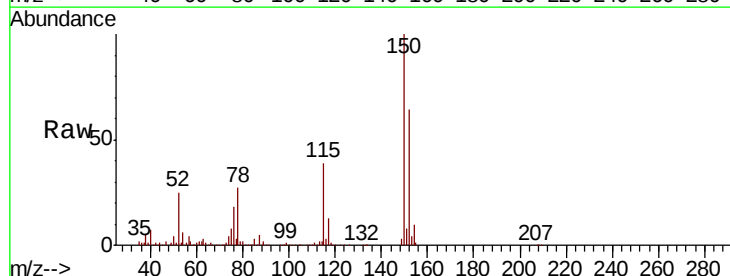


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

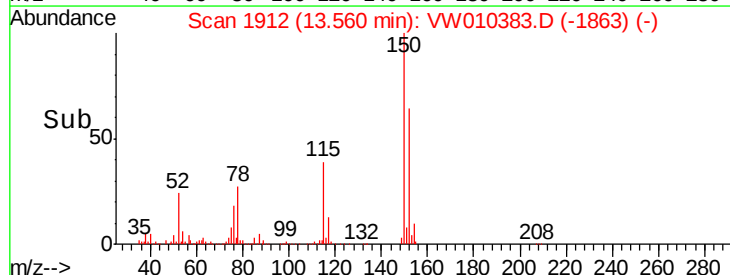
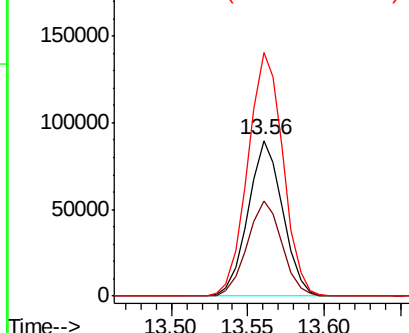


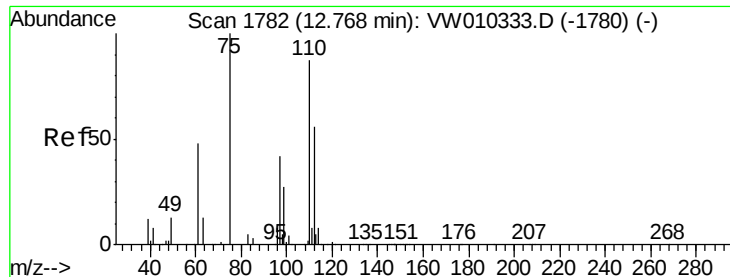
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010383.D
Acq: 11 May 2019 16:09

Tgt Ion:152 Resp: 140686
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.2
150 160.1 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 71.245 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

Instrument :

MSVOA_W

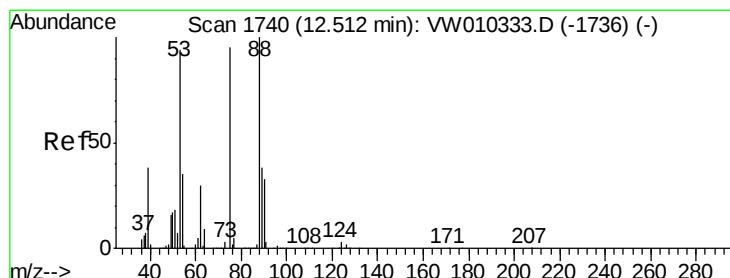
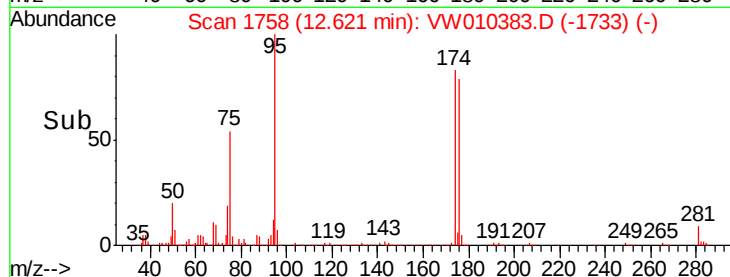
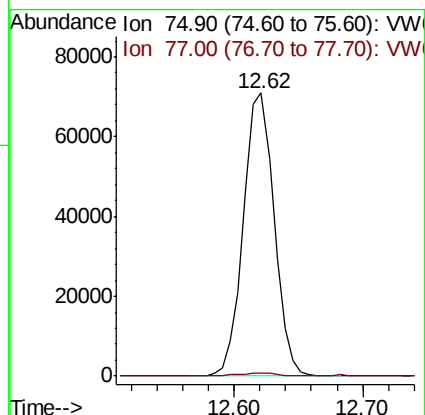
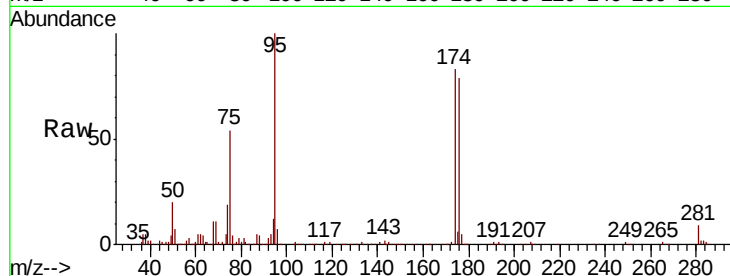
ClientSampleId :

Tot Ion: 75 Resp: 116861

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 160.892 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010383.D

Acq: 11 May 2019 16:09

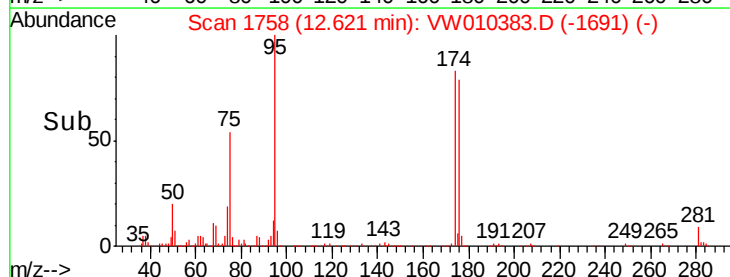
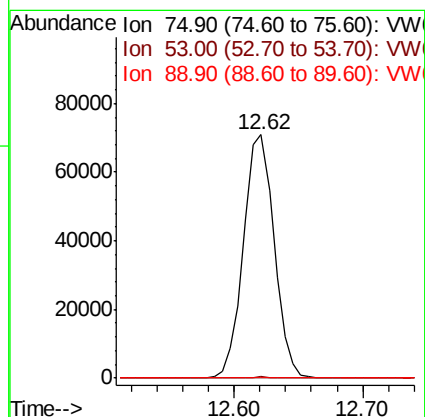
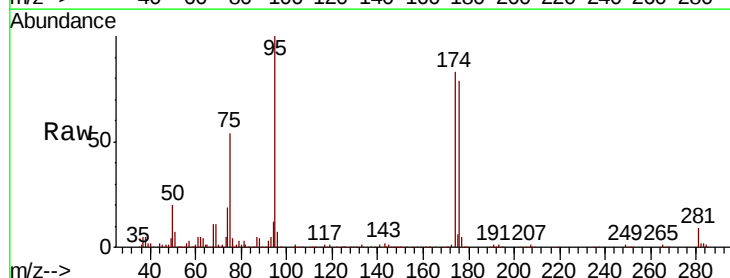
Tgt Ion: 75 Resp: 116861

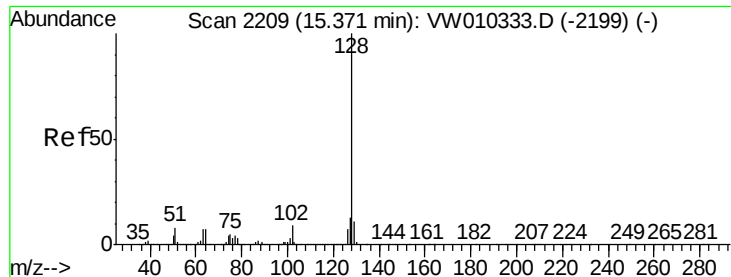
Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

89 0.1 36.6 54.8#





#95
 Naphthalene
 Concen: 4.437 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW010383.D
 Acq: 11 May 2019 16:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.6	15.8#
129	16.4	8.7	13.1#

